

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 98/07721

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 A61K39/21 C07K14/16 C12N15/49 C12N15/86 C12N5/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 A61K C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	WO 95 31999 A (IMMUNOBIOLOGY RESEARCH INSTITUTE) 30 November 1995 see the whole document	1,42,43 2-41, 44-61
X A	--- KIM D T ET AL: "Introduction of soluble proteins into the MHC class I pathway by conjugation to an HIV tat peptide." JOURNAL OF IMMUNOLOGY, (1997 AUG 15) 159 (4) 1666-8, XP002083064 see the whole document --- -/--	1,42,43 2-41, 44-61



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

21 May 1999

Date of mailing of the international search report

04/06/1999

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HINKULA J ET AL: "Nucleic acid vaccination with HIV regulatory genes: a combination of HIV-1 genes in separate plasmids induces strong immune responses" VACCINE, vol. 15, no. 8, June 1997, page 874-878 XP004075674 see the whole document ----	1,42,43
X	HINKULA J ET AL: "Recognition of prominent viral epitopes induced by immunization with human immunodeficiency virus type 1 regulatory genes." JOURNAL OF VIROLOGY, (1997 JUL) 71 (7) 5528-39, XP002083065 cited in the application see the whole document ----	1,42,43
X	WO 94 15634 A (RATH M.) 21 July 1994 see the whole document ----	1,42,43
A	WO 94 03596 A (UNIVERSITY OF HAWAII) 17 February 1994 see the whole document ----	161
P,X	WO 98 17309 A (ERASMUS UNIVERSITY ROTTERDAM) 30 April 1998 see the whole document ----	1,42,43
A		2-41, 44-61
A	SAMANIEGO F ET AL: "Inflammatory cytokines induce endothelial cells to produce and release basic fibroblast growth factor and to promote Kaposi's sarcoma-like lesions in nude mice." JOURNAL OF IMMUNOLOGY, (1997 FEB 15) 158 (4) 1887-94, XP002103367 see the whole document -----	1-61

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International application No.

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
Remark: Although claim 61 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No

PCT/EP 98/07721

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9531999 A	30-11-1995	AU 2638295 A CA 2190972 A EP 0767678 A	18-12-1995 30-11-1995 16-04-1997
WO 9415634 A	21-07-1994	NONE	
WO 9403596 A	17-02-1994	AU 4794593 A	03-03-1994
WO 9817309 A	30-04-1998	AU 4719597 A	15-05-1998